



### Observations

S#	Functions	Tolerance	No. of Iterations	Root
1	$83x + 11y - 4z = 95$ $7x + 52y + 13z = 104$ $3x + 8y + 29z = 71$	0.01		$x =$ $y =$ $z =$
		0.001		$x =$ $y =$ $z =$
		0.0001		$x =$ $y =$ $z =$
2	$8x - 3y + 2z = 45$ $4x + 11y - z = 71$ $6x + 3y + 12z = 35$	0.01		$x =$ $y =$ $z =$
		0.001		$x =$ $y =$ $z =$
		0.0001		$x =$ $y =$ $z =$
3	$8x - 3y + 2z = 45$ $4x + 11y - z = 71$ $6x + 3y + 12z = 35$	0.01		$x =$ $y =$ $z =$
		0.001		$x =$ $y =$ $z =$
		0.0001		$x =$ $y =$ $z =$

### Conclusion :